

WAWRYK, Roman

MUSIOLIK, Mairian; WAWRYK, Roman.

Hemoglobin level in women working in coal mines. Polski tygod. lek.  
12 no.30:1153-1155 22 July 57.

1. Z I kliniki Potosnictwa i Chorob Kobiacych Sl. A. M. w Zabrze;  
kierownik: doc. dr.med. W Starzewski oraz z Instytutu Medycyny Pracy  
w Przemysle weglowym i Hutniczym w Zabrze; dyrektor: prof. dr. B.  
Nowakowski. Adres: Zabrze, ul. Curie-Sklodowskiej 10. Klinika Polown.  
i Chor. Kob.

(HEMOGLOBIN,

in women working in coal mines (Pol))

(MINING

hemoglobin level in women working in coal mines (Pol))

WAWRYK, Roman

MUSIOLIK, Marian; SAMOCHOWIEC, Eugeniusz; WAWRYK, Roman

Curettage of the uterine cavity after labor. Polski tygod. lek. 12 no.51:  
1968-1971 23 Dec 57.

1. (Z I Kliniki Położnictwa i Chorob Kobietych Sl. Am. M. w Zabrze;  
kierownik: doc. dr med. W. Starzewski) Adres: Rybnik, ul. Tuwima 2.)

(UTERUS, surg.

curettage after labor (Pol))

MIECZNIKOWSKI, Andrzej; WAWRYK, Roman

Effect of hypoproteinemia on the course of pregnancy. Gin. polska  
29 no.5:539-546 Sept-Oct '8.

1. Z I Kliniki Poloznictwa i Chorob Kobiacych Slaskiej A. M. w Zabrze  
Kierownik: doc. dr med. W. Starzewski. I Klinika Poloznictwa i Chorob  
Kobiacych Slaskiej A. M. Zabrze, Plac Traugutta 6.

(PREGNANCY, blood in

hypoproteinemia, eff. on course of pregn. (Pol))

(BLOOD PROTEINS, defic.

eff. on course of pregn. (Pol))

MUSIOLIK, Marian; WAWRYK, Roman

Hemoglobin levels in pregnant women working in the metallurgy industry in Silesia. Gin. polska 29 no.5:555-560 Sept-Oct 58.

1. Z I Kliniki Poloznictwa i Chorob Kobiacych Slaskiej A. M. w Zabrze Kierownik; doc. dr med. W. Starzewski oraz Instytutu Medycyny Pracy w Przemysle Weglowym i Hutniczym w Xabrzy Dyrektor: prof. dr med. B. Nowakowski. Klinika Poloznictwa i Chorob Kobiacych Slaskiej A. M. Zabrze, Plac Traugutta 6.

(PREGNANCY, blood in  
hemoglobin levels in women working in metallurgy indust.  
(Pol))

(INDUSTRY AND OCCUPATIONS  
eff. of working in metallurgy indust. on hemoglobin levels  
in pregn. (Pol))

WAWRYK, Roman; MUSIOLIK, Marian

Management in cases of diffuse peritonitis. Gin. polska 29 no.5:595-606 Sept-Oct 58.

1. Z I Kliniki Poloznictwa i Chorob Kobiacych Slaskiej A. M. w Zabrze  
Kierownik: doc dr W. Starzewski. I Klinika Poloznictwa i Chorob Kobiacych Slaskiej A. M. Zabrze, Plac Traugutta 6.

(PERITONITIS, ther.

management of diffuse peritonitis (Pol))

SAMOCHOWIEC, Leonidas; WAWRYK, Roman; SAMOCHOWIEC, Eugeniusz

Results of the determination of glutamic-oxalic transaminase in pregnant women and in umbilical blood. Polski tygod. lek. 14 no.23: 1052-1055 8 June 59

1. (Z Zakladu Farmakologii Slaskiej Ak. Med. w Zabrze-Rokitnicy; kierownik: doc. dr med. T. Chrusciel i z I Klinika Poloznictwa i Chorob Kobietych Slaskiej Ak. Med. w Zabrze; kierownik: doc. dr med. W. Starzewski.

(TRANSAMINASES, blood) (PREGNANCY, blood)  
(UMBILICAL CORD, blood)

STARZEWSKI, Wojciech; CHRUSCIEL, Tadeusz; WAWRYK, Roman; SAMOCHOWIEC, Eugeniusz; HERMAN, Zbigniew

Studies on proteins, lipoproteins and glycoproteins in the blood serum of pregnant women with the aid of paper electrophoresis. Gin.polaka 31 no.1:91-103 Ja-F '60.

1. Z I Kliniki Położnictwa i Chorob Kobietych Śląskiej A.M. w Zabrze. Kierownik: prof.dr med. W. Starzewski i z Zakładu Farmakologii Śląskiej A.M. w Zabrze-Rokitnicy. Kierownik: doc.dr med. T. Chrusciel.

(PREGNANCY blood)

(BLOOD PROTEINS in pregn.)

(LIPOPROTEINS blood)

(GLYCOPROTEINS blood)

WAWRYK, Roman

Incompetent cervix. Pol. tygod. lek. 17 no.49:1928-1934 3 D '62.

1. Z I Kliniki Położnictwa i Chorob Kobietych Sz. Akad. Med. w Zabrze;  
kierownik: prof. dr med. W. Starzewski [deceased].  
(CERVIX UTERI) (ABORTION HABITUAL)

WAWRYK, Roman; KOBIELA, Jerzy

The level of sodium and potassium in the blood serum following  
gynecological operations. Ginek. Pol. 33 no.1:141-151 '62.

1. Z I Kliniki Położnictwa i Chorob Kobietych Śląskiej AM w Zabrze.  
Kierownik: prof. dr W. Starzewski.

(GENITALIA FEMALE surg) (SODIUM blood)  
(POTASSIUM blood)

DWORNICKA, B.; JASIENSKA, A.; SMOLARZ, W.; WAWRYK, R.:

Attempted determination of fetal reactions to acoustic stimuli.  
Otolaryng. pol. 17 no.4:372-373 '63.

1. Z Kliniki Laryngologicznej Sl. Akademii Medycznej. Kierownik:  
prof.dr. T.Ceypek.

\*

MUSIOLIK, Marian; KOBIELA, Jerzy; WAWRYK, Roman

Forceps delivery in the 1st Obstetrical and Gynecological  
Clinic of the Silesian Academy of Medicine in Zabrze in 1952-  
1960. Pol. tyd. lek. 18 no.31:1138-1142 29 JI '63.

1. Z I Kliniki Położnictwa i Chorób Kobietych Śl. AM w Zabrzu;  
kierownik: prof. dr med. W. Starzewski[deceased].  
(OBSTETRICAL FORCEPS) (STATISTICS)

STARZEWSKI, Wojciech[deceased]; SAMOCHOWIEC, Eugeniusz; WANRYK, Roman

Studies on the content of glycoproteins in the blood serum of pregnant women. Ginek. pol. 34 no.1:35-37 '63.

1. Z I Kliniki Położnictwa i Chorob Kobietych Sz. AM w Zabrzu  
Kierownik: prof. dr med. W. Starzewski[deceased].

(BLOOD PROTEINS) (GLYCOPROTEINS)

(BLOOD CHEMICAL ANALYSIS)

WAWRYK, Roman; KRUPA, Brunon

Observations on stress incontinence among women treated in  
the 1st Obstetric and Gynecological Clinic in Zabrze.  
Pol. tyg. lek. 19 no.2:4-56 Ja '64.

1. Z I Kliniki Położnictwa i Chorob Kobietych Sl. Akademii  
Medycznej w Zabrzu (p.o. kierownik: prof. dr M. Glowinski).

WAWRYK, Roman

Surgical therapy of cervical insufficiency in pregnancy. Pol.  
tyg. lek. 19 no.49:1894-1896 7 D '64

1. Z I Kliniki Położnictwa i Chorob Kobięcych Śląskiej Akademii  
Medycznej w Zabrze (kierownik: prof. dr. med. M. Glowinski).

WAWRYK, Roman; KUDLA, Teodor; KRUPA, Brunon

The course of labor in women with cardiac defects. Wiad. lek.  
18 no.2:117-122 15 Ja. '65

1. Z I Kliniki Polozn. i Chorob Kobięcych Śląskiej Akademii  
Medycznej w Zabrze (kierownik: prof. dr.med. M. Glowinski).

WAWRYK, Roman

Incompetence of uterine cervix in pregnancy in the light of personal observations. Ginek. Pol. 36 no.4:413-417 Ap '65.

1. Z I Kliniki Położnictwa i Chorob Kobietych Śląskiej AM w Zabrze (Kierownik: prof. dr. med. M. Glowinski).

POLAND

MUSIOLIK, Marian, KOBIELA, Jerzy, and WAWRYK, Roman; First Clinic of Obstetrics and Gynecology (~~1 Klinika Położnictwa i Chorob Kobiety~~), Sl.AM [Slaska Akademia Medyczna, Silesian Medical Academy] in Zabrze (Director: Prof. Dr. Med. W. STA-RZEWSKI (deceased))

"Use of Forceps at the First Clinic of Obstetrics and Gynecology at Zabrze during 1952-1960."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 31, 29 Jul 63, pp 1138-1142

Abstract: [Authors' English summary modified] Authors report on a statistical study of the use of forceps in deliveries at the hospital with which they are affiliated. Indications for the use of forceps were threatened asphyxia of foetus (61.3 per cent of cases) and no progress in 2nd period of labor (31.7 per cent). The procedure was applied in 3.9 per cent of all cases, of which 80.9 per cent were primiparae and 19.1 multiparae. No complications were observed during 3rd period of labor and puerperium. The cut peritoneum healed per primam, as a rule. Mortality of newborns was 2.8, against overall 4.8 percent for the ward, and authors consider procedure desirable. 26 refs: 2 Western, 11 German, others Polish.  
1/1

WAWRYK W.																																																				
PROCESSES AND PROPERTIES INDEX																																																				
<p>Microscopic and chemical analyses of the Cambrian phosphorites from Sandemiers. W. Wawryk. <i>Rocz. Pals. Tow. Geol. Krakow</i> 8, 291-72 (1932); <i>Neues Jahrb. Mineral. Geol., B-Abt.</i> 1, 1935, 450.—Siliceous phosphate nodules are found in conglomerate. The amorphous and cryptocryst. phosphates consist of fluorapatite and a F-free phosphorite. J. P. Schaller</p>																																																				
ASB-55A METALLURGICAL LITERATURE CLASSIFICATION																																																				
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WAWRYK, W.

Common and titaniferous augite from the tephroites of Poland. Wawryk, Andrzej. *Mineral. soc. no. 130* 11, 175 R1 (French summary 102)(1015); *Mineralog. Abstracts* 6, 212. — Chem. analyses of common augite from diabase at Boguszowice and of titaniferous augite from monzonitic tephroite at Marklowice are given with optical data. I. P. Schaller

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

WAWRYK, W.

Some data on stock, production and consumption of coal in Poland. Włodzimierz Wawryk. *Przeegląd Chem.* 3, 92-94 (1955). R. J. Bielowiec

ASH 55A METALLURGICAL LITERATURE CLASSIFICATION

PTA WAWRYK, W.

548.46 : 666.7

1174

Wawryk W. Notes on the Occurrence of Magnesium Salts in Raw Materials and Red Pottery Products.

„Uwagi na temat występowania soli magnezowych w surowcach i produktach ceramiki (czerwonej)”. Materiały Budowlane. No. 4, 1951. pp 91-92, 1 fig.

Causes of the occurrence of stains on old and freshly manufactured bricks. Detrimental influence of salts: decay of bricks and mortar. Artificial means of accelerating the formation of blemishes. The problem of disqualifying raw materials in which the presence of noxious magnesium salts has been detected.

WAWRYK, W.

3044

604.71.002.1(43)

Wawryk W., Downarowicz W., Piotrowicz W. General Features of  
Blednska Law Ceramic Materials.

"Ogólna charakterystyka surowców ceglarskich i klinkierów". Ma-  
terialy Budowlane, No. 8, 1954, pp. 118-123, 7 figs., 1 tab.

The authors, in addition to quoting general characteristics of these  
materials, draw attention to the freedom in world literature concerning  
the terminology for rocks, and raise the problem of classification of  
raw ceramic building materials. The Mineralogy and Petrography Fa-  
culty of the Gdańsk Polytechnic is investigating the possibility of cur-  
tailing, in service laboratories, the number of cumbersome and re-  
latively expensive chemical analyses of raw ceramic building materials,  
and of introducing instead other methods more simple, less time-ab-  
sorbing and yet sufficiently accurate.

POLAND/Cosmochemistry. Geochemistry. Hydrochemistry.

D

Abs Jour: Ref Zhur-Khin., No 23, 1958, 77078.

Author : Wawryk, Wlodzimierz.

Inst :

Title : Dusty Gypsums of Dobrzynie.

Orig Pub: Arch. mineralog., 1957, 20, No 1-2, 161-168.

Abstract: Dusty gypsums (the dimensions of dust particles are of the order of several  $\mu$ ) in some deposits of Miocene brown coal are described. It is assumed that they have been formed in the result of dehydration and decomposition of crystalline gypsums under the action of high temperature produced by fires in brown coal deposits; after a fire the dehydrated gypsum absorbed the lost

Card : 1/2

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POLAND/Cosmochemistry. Geochemistry. Hydrochemistry.

D

Abs Jour: Ref Zhur-Khin., No 23, 1958, 77078.

water from the surrounding rocks conserving the dusty appearance. The chemical composition of gypsums is as follows (in %): dusty gypsum - CaO 33.10, SO<sub>3</sub> 46.15, H<sub>2</sub>O 20.74, CO<sub>2</sub> 0.50, residue insoluble in HCl 0.18, total 100.6; crystalline gypsum - CaO 32.85, SO<sub>3</sub> 46.08, H<sub>2</sub>O 20.80, CO<sub>2</sub> 0.54, insoluble residue 0.26, total 100.53. - A. Segorkin.

Card : 2/2

POIAND/Chemical Technology. Chemical Products and Their  
Application. Ceramics. Glass. Binding Materials.  
Concrete.

H

Abs Jour: Ref Zhur-Khim., No 10, 1959, 35614.

Author : Wawryk, W.

Inst :

Title : On the Clays from the Danzig Area

Orig. Pub: Przegląd Geol, 6, No 6, 245-249 (1958) (in Polish)

Abstract: The author has analyzed clays of marine, glacial,  
and alluvial origin used in the ceramic industry.  
A total of 13 chemical analyses was made. The  
author notes that even insignificant changes in  
composition necessitate changes in the processing  
technology applied to the raw clay and proposes  
in this connection that the methods for the inves-

Card : 1/2

H-32

EXCERPTA MEDICA Sec 16 Vol 7/9 Cancer Sept 59

3835. **Bronchial adenoma in an 8-year-old child** Gruczolak oskrzela u 8-letniego dziecka. WAWRYKOWICZ T. Klin. Otolaryngol. A.M., Wroclaw Pol. Tyg. lek. 1958, 13/45 (1786-1788)

A case of bronchial adenoma in an 8-year-old girl is described. It appeared together with typical symptoms, inducing atelectasis of the whole left lung and a complete obturation of the left bronchus 2 cm. below the bifurcation of the trachea. The tumour was removed by bronchoscopy. Atelectasis of the left lung and other symptoms completely disappeared. Control examinations did not show recurrence.

POLAND

JANKOWSKI, Wiktor and WAWRYKOWICZ, Tadeusz, Otolaryngological Clinic (Klinika Otolaryngologiczna), ~~in~~ [Akademia Medyczna, Medical Academy] in Wroclaw (Director: Prof. Dr. med. W. JANKOWSKI)

"A Case of Familial Scleroma."

Warsaw-Krakow, Przegląd Lekarski, Vol 19, Ser II, No 7, 31 Jul 63, pp 324-326

Abstract: [Authors' English summary] The authors present the case of a family, in which 5 out of 11 members suffered from scleroma and were treated at the clinic for a number of years. Smears to ascertain the presence of A. rhinoscleromatis were positive for 8 members of the family, and the serological tests -- for 7. The authors cite cases of familial scleroma from the literature. There are 25 references: mostly Soviet and German.

1/1

KOSSOWSKI, Stanislaw; WAWRYKOWICZ, Tadeusz; KANIOWSKI, Tadeusz

Rare forms of fibrous degeneration of the bone in the area of the frontal sinus. Otolaryngologia 15 no.2:159-166 '61.

1. Z Kliniki Laryngologicznej A.M. we Wrocławiu Kierownik: prof. dr med. W. Jankowski 2. Kliniki Radiologicznej A.M. we Wrocławiu Kierownik: doc. dr med. Zb. Kuźniakiewicz  
(OSTEITIS FIBROSA case reports)  
(FRONTAL SINUS dis)

POLAND/Farm Animals - Honey Bee

Q-7

Abstr Jour : Rof Zhur - Biol., No 6, 1958, No 26263

Author : ~~Wawryn Tadeusz~~

Inst : Not Given

Title : Blinov's Method in Actual Experience (Metod Blinova v praktiko)

Orig Pub : Pszczolarstwo, 1957, 8, No 2, 33-34

Abstract : In the spring, an experiment was carried out on three groups of bee colonies, 5 families in each group: group I in wooden hives; group II in straw ones; group III in wooden hives after Blinov (division of the nidus into two parts: in the main part - brood, queen, and the majority of bees, and behind a diaphragm, not reaching the bottom of the hive - frames with honey). During three weeks, the area of the brood was, respectively: 348, 332 and 293%. The author reaches the conclusion that Blinov's method is not suitable under conditions of propitious spring when beebread and nectar are incoming into the hives.

Card : 1/1

L 14635-66 EWT(m) DIAAP  
ACC NR: AP6008152

SOURCE CODE: PO/0046/65/010/008/0527/0529

AUTHOR: Goworek, Tomasz; Skorzynski, Zbigniew; Wawryszczuk, Jan

ORG: Department of Experimental Physics, University M. Curie-Sklodowska, Lublin

TITLE: Gamma-gamma angular correlations in sup  $^{147}\text{Eu}$  to sup  $^{147}\text{Sm}$  decay

SOURCE: Nukleonika, v. 10, no. 8, 1965, 527-529

TOPIC TAGS: europium, samarium, radioactive decay, coincidence circuit, nuclear energy level, nucleus

ABSTRACT: Gamma directional correlation measurements were made in  $^{147}\text{Eu}$  decay in order to obtain more data on higher levels of the  $^{147}\text{Sm}$  nucleus. An energy level diagram is shown. The measurements were performed using a fast-slow coincidence circuit with a resolving time of 48 nsec. The authors thank Prof. W. Zuk for enabling the taking of the measurements. Further thanks is given to the Chemical Group of JINR in Dubna as well as Mr. Krupa for the preparation of the sources. Orig. art. has: 3 figures and 1 table. /NA/

SUB CODE: 18, 20 / SUBM DATE: --Feb65 / OTH REF: 003 / SOV REF: 002

Card 1/1 *SC*

L 45371-66

EWP(t)/ETI

IJP(c)

JD/JG

ACC NR: AP6026997

SOURCE CODE: PO/0045/66/029/005/0655/0661

AUTHOR: Goworek, T.; Wawryszczuk, J.

14  
B

ORG: Department of Experimental Physics, Marie Curie-Sklodowska University, Lublin (Katedra Fizyki Doswiadczalnej Uniwersytetu Marii Curie-Sklodowskiej)

TITLE: Directional correlations of gamma rays in Sm<sup>147</sup>

SOURCE: Acta physica polonica, v. 29, no. 5, 1966, 655-661

TOPIC TAGS: direction correlation, samarium isotope

ABSTRACT: The directional correlation measurements of 7 cascades in Eu<sup>147</sup> to Sm<sup>147</sup> decay were performed. The spin of 799 kev level was found to be 3/2. The mixing ratios of 602, 678, and 862 kev and the sign of  $\delta$  for the 76- and 121-kev transitions were determined. The multipolarity of the 1256-kev transition is discussed. The authors express their indebtedness to the chemical staff of the Laboratory of the Nuclear Problems JNR Dubna for the preparation of the source and to Professor Wlodzimierz Zuk for his constant interest during the work. Orig. art. has: 4 figures and 2 tables. [Authors' abstract] [KS]

SUB CODE: 20/ SUBM DATE: 07Sep65/ ORIG REF: 001/ SOV REF: 005/

Card 1/1 *awm*

OTH REF: 005/

WAWRZASZEK, Zbigniew

Activities of the Textile Institute in 1961. Przegl włokien 16 no.5:  
Suppl.: Biul inst włokien 14 no.2:1-4 My '62.

WAWRZASZEK, Zbigniew

Woven fabrics laminated with polyurethan foam plastic. Przegl włokien  
16 no.12; Suppl: Biul Inst włokien 14 no.8:1-2 D '62.

MORDAKA, Danuta; WAWRZASZEK, Zbigniew

International conferences arranged by the Institute of the Textile  
Industry in 1963. Przegl włokien 13 no.9; Suppl; Biul inst włokien  
16 no.4:1-3 S 164.

WAWRZASZEK, Zbigniew

Three-compound blends of chemical fibers in the assortment of garment fabrics. Przegl włokien 17 no.6:Suppl:  
Biul inst włokien 15 no.5:1-3. Je '63.

WAWRZENCZAK, J.

BOCHENSKA, J.; ORYGINIOWA, S.; PRZYMOWSKI, W.; WAWRZENCZAK, J.

Epidemic in a hospital produced by *Salmonella* derby. *Pediat.*  
*polska* 29 no.4:359-368 Apr '54.

1. Z I. Kliniki Choroób Dzieciatych Akademii Medycznej w Łodzi.  
Kierownik: prof. dr med. St. Popowski. 2. Z Wojewódzkiej Stacji  
Sanitarnej-Epidemiologicznej w Łodzi. Kierownik: dr med. Wł.  
Przymowski.

(*SALMONELLA* INFECTIONS, in infant and child,  
\*epidem. in inf. ward of pediatric hosp.)

WAWRZEWIZ, Marian

TURCZYNSKI, Tadeusz; WAWRZEWIZ, Marian

Effect of phenergan on contractile function of uterus in the second half of pregnancy. Polski tygod. lek. 11 no.45:1921-1927 5 Nov 56.

1. (Z I Kliniki Położnictwa i Chorob Kobietych A.M. we Wrocławiu; Kierownik: doc. dr. K. Nowosad i z Instytutu Immunologii i Terapii Doświadczalnej P.A.N. im L. Hirszfelda we Wrocławiu; dyr.: prof. dr. C. Slopek) adres: Wrocław, Plac Westerplatte 3 m 7.

(ANTI-HISTAMINICS, effects,

promethazine on uterus contraction in second half of pregn. (Pol))

(UTERUS, effect of drugs on,

promethazine on contractions in second half of pregn. (Pol))

(PREGNANCY,

eff. of promethazine on uterine contractions in second half (Pol))

KARBOWNICKI, Lechoslaw, inz.; TYNDZIK, Sylwester, mgr inz.; JANKOWSKI, Bogdan, mgr inz.; CYBULSKI, Stefan, inz.; WAWRYKIEWICZ, Jacek, mgr inz.; MARZECKI, Bogdan, mgr inz.

What I expect as a result of resolutions of the Polish national conference on the rationalization movement. Przegl techn 86 no.7:5 14 F '65.

1. Technical Director, Electric Lamp Manufacture, Warsaw (for Karbownicki). 2. L. Warynski Industrial Equipment Works, Warsaw (for Tyndzik). 3. Technical Director, Precision Products Manufacture, Warsaw (for Jankowski). 4. M. Kasprzak Industrial Works, Warsaw (for Cybulski). 5. Chief Engineer of Technology, Lenin Steel Works, Nowa Huta (for Wawrykiewicz). 6. Director, Warszawa Steel Works, Warsaw (for Marzecki).

KRAUSS, St.; JASTRZEBSKI, T.; WAWRZKIEWICZ, J.

Attempts at diagnosing equine infectious anemia by means of agglutination of bacteria coated with horse serum containing the equine infectious anemia virus. Rocznik nauki wet 70 no.1/4:196-197 '60.  
(EEAI 10:9)

(Horses)	(Infectious anemia)	(Blood)	(Serum)
(Viruses)	(Agglutination)	(Bacteria)	

WAWRZKIEWICZ, J.; UMINSKI, J.

Tests on farm-reared foxes for detection of toxoplasmosis. Wiadomosci  
parazyt. 7 no.2:407-409 '61.

1. Katedra Mikrobiologii Wydz. Wet. W.S.R., Katedra Parazytologii  
Wiejskiej I.M.P.H.W., Lublin.

(CARNIVORA dis) (TOXOPLASMOSIS diagn.)

UMINSKI, Jerzy; WAWRZKIEWICZ, Janusz

Preliminary results of studies on the use of the precipitation reaction in a gel medium for the diagnosis of toxoplasmosis. Wiadomosci parazyt. 7 no.2:421-424 '61.

1. Zaklad Parazytologii Wsjskiej I.M.P. i H.W. w Lublinie Katedra Mikrobiologii Wydz. Wet. W.S.R., Lublin.

(TOXOPLASMOSIS diagn)

WAMRZKIEWICZ, Janusz  
SURNAME, Given Names

(2)

Country: Poland

Academic Degrees: not given

Affiliation: Faculty of Microbiology (Katedra Mikrobiologii), Veterinary  
Division (Wydział Weterynarii), College of Agriculture (WSR--  
Wyzsza Szkola Rolnicza), Lublin; Director: Docent Tadeusz

Source: JASTRZEBSKI, Dr.

Source: Warsaw, Medycyna Weterynaryjna, Vol XVII, No 5, May 1961, pp  
Data: 285-292.

Data: "Biochemical and Serological Investigations of the Pasteurella  
Multocida Microorganism".

94

GPO 981643

L 34450-66 T JK  
 ACC NR: AP6026215 (A) SOURCE CODE: PO/0071/65/000/009/0544/0546

AUTHOR: Wawrzekiewicz, Janusz--Vavzhkevich, Ya. (Doctor; Lublin) <sup>20</sup>  
 ORG: Department of Microbiology/headed by Professor, Doctor Tadeusz Jastrzebski/, <sup>B</sup>  
 Veterinary Faculty, College of Agriculture, Lublin (Katedra Mikrobiologii Wydziału  
 Wet. WSR) <sup>b</sup>

TITLE: Use of milk whey in chick embryo tissue culture of Aujeszky virus <sup>b</sup>  
 SOURCE: Medycyna weterynaryjna, no. 9, 1965, 544-546  
 TOPIC TAGS: virus, tissue physiology, biologic reproduction

ABSTRACT: Investigations were carried out on the possibility of replacing the relatively expensive Parker's fluid in the medium used for the culture cells of chicken embryo, by milk whey. It was found that in a medium composed of: 60% growth fluid (i.e. Hank's fluid, 0.05% hydrolysate of lactalbumin, 2% inactivated calf serum and penicillin - 100 i. u./1 ml and streptomycin - 0.1 mg/1 ml), 40% whey and 2% cattle amniotic fluid the trypsinated cells of chicken embryo remained alive for six days without visible morphological changes. Investigations on the height of the titre of Aujeszky's virus, passaged three times through the above-mentioned medium, showed no fall in the titre as compared with the titre of the virus passaged through the control medium. The medium with the whey may be used not only to carry out the seroneutralisation reaction, but also to grow Aujeszky's virus and perform a titre. The cost of preparation of the above-mentioned medium is several times lower than the cost of the medium with Parker's fluid. [Based on author's Eng. abst.] [JPRS: 33,500]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 006 / SOV REF: 003  
 OTH REF: 013

Card 1/1

POLAND

JASTRZEBSKI, Tadeusz, and WAWRZKIEWICZ, Janusz; Chair of Microbiology,  
Veterinary College of Agricultural University (Katedra Mikrobiologii Wydziału  
Wet. WSR,) Head Prof Dr Tadeusz JASTRZEBSKI, Lublin.

"Serologic Data on Rubarth Disease in Dogs in Poland."

Lublin, Medycyna Weterynaryjna, Vol 21, No 10, Oct 65; pp 581-584.

Abstract [English summary modified]: Study of sera of 94 dogs for antibodies  
to canine infectious hepatitis indicated that the virus was widespread among  
dogs older than 1 year: positive complement-fixing antibodies were present  
in up to 42.4%. Three tables; 1 Hungarian, 2 Soviet, 3 Polish, 30 Western  
references.

1/1

- 238 -

POLAND

WAWRZKIEWICZ, Janusz, Chair of Microbiology of the Veterinary College of Agricultural University (Katedra Mikrobiologii Wyzd. Wet. WSR) Head (Kierownik) Prof. Dr. T. JASTRZEBSKI

"The Formation of Interferon of the Virus of Aujeszky Disease"

Lublin, Medycyna Weterynaryjna, Vol 22, No 11, Nov 66; p. 657-660

Abstract [English summary modified]: None of 4 strains of the Aujeszky Virus produced interferon in tissue cultures of calf or pig kidney, or of chicken fibroblast; but slight production of interferon was found in tissue culture of chick embryo cells as evaluated by Western equine encephalomyelitis challenge. The Aujeszky virus seems to be rather insensitive to interferon, and latter compound is unlikely to play much of a role in natural epidemiology. 3 tables; 2 Czech, 13 Western references.

1/1

WAWRZKIEWICZ, Krystyna (Lublin)

A new form of *Erysipelothrix rhusiopathiae* suis, Rocz nauk roln  
wet 70 no.1/4:247-248 '60. (EEAT 10:9)

(Erysipelas) (Swine)

WAWRZKIEWICZ, Krystyna

Studies on the antigenic structure of S, R and X forms of  
*Erysipelothrix rhusiopathiae* by immunoelectrophoresis. Med.  
dosw. mikrobiol. 17 no.2:133-142 '65.

1. Z Katedry Mikrobiologii Wydziału Weterynaryjnego Wyższej  
Szkoły Rolniczej w Lublinie (Kierownik: prof. dr. T. Jastrzebski).

POLAND

WAWRZKIEWICZ, Krystyna, Chair of Microbiology (Katedra Mikrobiologii), Veterinary Division (Wydział Weterynaryjny), WSH [Wyższa Szkoła Rolnicza, Higher School of Agriculture] in Lublin (Director: Doc. Dr. Tadeusz JASTRZEBSKI)

"The X Form of *Erysipelothrix rhusiopathiae*."

Warsaw-Lublin, *Medycyna Weterynaryjna*, Vol 18, No 11, Nov 62, pp 668-670.

Abstract: Preliminary of a report to be published in full in *Annales UMCS* on the identification and description of a third dissociated form of *E. ensidiosa*, in addition to the known S and R forms. Photographs of the microorganisms and colonies are shown, and note is made of the fact that, although study of the antigens reveals serotype differentiation, no specificity for it could be established. List of references in the author's possession.

1/1

POLAND

LACHOWSKI, Edward, KRZYZANOWSKI, Stanislaw, and WAWRZKIEWICZOWA, Krystyna, Chair of Microbiology (Katedra Mikrobiologii), Veterinary Faculty (Wydział Weterynaryjny), WSR [Wyższa Szkoła Rolnicza, Higher School of Agriculture] in Lublin (Director: Prof. Dr. Tadeusz JASTRZEBSKI)

"Attempts to Differentiate between the Anthrax and Pseudoanthrax Bacilli by Means of Gel Precipitation."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 19, No 8, Aug 63, pp 447-453

Abstract: [Authors' English summary modified] Authors report the details of their study, which refutes the reliability of the classical thermoprecipitation method for differential precipitation of anthrax and pseudoanthrax (Bac. subtilis, megaterium, and cereus) bacilli, and describe a method devised by them for such differential precipitation in gel, which they consider quick, reliable, and suitable for a routine method in diagnosis of anthrax. There are 12 references: 2 Soviet, 1 Hungarian, 3 German, and 6 English.

1/1

WAWRZKIEWICZ, Krystyna

Dissociation forms of *Erysipelothrix insidiosa*. *Acta microbiol.*  
Pol. 13 no.1:45-54 '64

1. From the Department of Microbiology, Veterinary Faculty,  
College of Agriculture, Lublin.

L 29759-66 T JK

ACC NR: AP6020900

(A)

SOURCE CODE: PO/0071/65/000/008/0468/0471

AUTHOR: Cygan, Zygmunt--Tsygan, Z. (Physician; Veterinarian; Lublin); Wawrzkiwicz, Krystyna--Vavzhkevich, K.

ORG: Regional Institute of Veterinary Hygiene/headed by Dr. Tadeusz Dabrowski/, Lublin (Wojewodski Zaklad Higieny Weterynaryjnej); Department of Microbiology /headed by Professor, Dr. Tadeusz Jastrzebski/, Veterinary School, WSR, Lublin (Katedra Mikrobiologii Wydzialu Wet. WSR)

TITLE: Identification of anaerobic spores isolated from the alimentary tract of dead poultry

SOURCE: Medycyna weterynaryjna, no. 8, 1965, 468-471

TOPIC TAGS: commercial animal, bacteriology, toxicology, bacterial antigen

ABSTRACT: Isolation of two species of Clostridium perfringens from intestines of dead chicks; heat resistance and formation of various toxins were investigated and are discussed in detail; hemolytic and antigenic properties were also studied. Orig. art. has: 3 tables. [Based on authors' Eng. abstract] [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 024  
SOV REF: 002

Card 1/1 CC

L 09023-67 JK

ACC NR: AP6034498 (AN) SOURCE CODE: PO/0071/66/000/009/0518/0522

AUTHOR: Cygan, Zygmunt -- Tsygan, Z. (Lublin); Wawrzkievicz, Krystyna -- Vavzhkevich, K. 1/3

ORG: Province Laboratory of Veterinary Hygiene, Lublin/headed by Dr. Tadeusz Dabrowski/ (Wojewodzki Zaklad Higieny Weterynaryjnej); Chair of Microbiology/ headed by Prof. Dr. Tadeusz Jastrzebski/. Department of Veterinary Science, Higher School of Agriculture, Lublin (Katedra Mikrobiologii Wydzialu Weterynarii WSR)

TITLE: Clostridium microbes in traumatic gas edema of domestic animals

SOURCE: Medycyna weterynaryjna, no. 9, 1966, 518-522

TOPIC TAGS: animal, Clostridium, animal disease, gas gangrene, gas edema, aerobe, anaerobe, lecithinase, lipase, diagnostic medium/Willis and Hobbs medium, Kalinin medium, Wilson-Blair medium

ABSTRACT: Seventeen samples of muscle tissue diagnosed clinically as showing gas gangrene were taken from 11 cows, 4 horses, and 2 pigs. Groups of aerobes and anaerobes were isolated in all cases. There were 24 strains of Clostridium

Cura: 1/2

L 09023-67

ACC NR: AP6034498

microbes, including 15 strains of C. perfringens (62.5%), 4 of Cl. septicum (16.6%), 4 of Cl. sporogenes (16.6%), and one unidentified strain. The isolated perfringens and septicum strains were highly virulent and caused the death of guinea pigs in 12—36 hr. Cl. sporogenes proved to be nonvirulent. The Willis and Hobbs medium was best for quick strain identification, and for the simultaneous study of the lecithinase effect, presence of lipase, and fermentation of lactose. It allowed distinction of the Cl. perfringens, oedematiens, sporogenes, and botulinum strains. The Kalinin medium was best for showing blackening (3—4 hr) at the same time as curdling and digestion of milk. The Wilson-Blair medium was good only for approximate identification of microbial genera. Orig. art. has: 5 tables. [Based on authors' abstract] [W050]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 001/ SOV REF: 001/  
OTH REF: 023/

Card 2/2 nst

POLAND

PO/0071/66/000/009/0518/0522

AUTHOR: Cygan, Zygmunt -- Tsygan, Z. (Lublin); Wawrzekiewicz, Krystyna -- Vavzhkevich, K.

ORG: Province Laboratory of Veterinary Hygiene, Lublin/headed by Dr. Tadeusz Dabrowski/ (Wojewodzki Zaklad Higieny Weterynaryjnej); Chair of Microbiology/ headed by Prof. Dr. Tadeusz Jastrzebski/. Department of Veterinary Science, Higher School of Agriculture, Lublin (Katedra Mikrobiologii Wydzialu Weterynarii WSR)

TITLE: Clostridium microbes in traumatic gas edema of domestic animals

SOURCE: Medycyna weterynaryjna, no. 9, 1966, 518-522

TOPIC TAGS: animal, Clostridium, animal disease, gas gangrene, gas edema, aerobe, anaerobe, lecithinase, lipase, diagnostic medium/Willis and Hobbs medium, Kalinin medium, Wilson-Blair medium

ABSTRACT: Seventeen samples of muscle tissue diagnosed clinically as showing gas gangrene were taken from 11 cows, 4 horses, and 2 pigs. Groups of aerobes and anaerobes were isolated in all cases. There were 24 strains of Clostridium

POLAND

WAWRZKIEWICZ, K. and CYGAN, Z., of the Chair of Microbiology, Veterinary Department, Higher School of Agriculture (Katedra Mikrobiologii Wydziału Weterynarii WSR), Lublin. Prof. Dr. T. Jastrzebski, Head; Wojewodztwo Veterinary Hygiene Office (Wojewodzki Zakład Higieny Wet.), Lublin.

"The Use of Chicken Embryo Cell Cultures for Determining the Toxins of Clostridium Bacilli"

Lublin, Medycyna Weterynaryjna, Vol 22, No 7, 1966, pp 411-415.

Abstract: The effect is described of the toxins produced by Cl. perfringens type C, Cl. septicum and Cl. oedematiens on a culture of chicken embryo cells. It was found that all the strains investigated produced definite specific cytopathic changes after only four hours. Toxin determination sensitivity by the title method was compared with the lecithovitelline reaction on white mice. The former method was found more sensitive in investigating anaerobic bacteria. The method is claimed to be cheap, rapid, reproducible and giving uniform results. Contains 5 Figures, 2 Tables and 18 references (2 Polish, 6 Western, 8 Russian, 1 Rumanian and 1 German-language).  
1/1

WAWRZKIEWICZ, Marian; NOLIS, Tasio

Invasive cervical cancer in pregnant women. Pol. tyg. lek.  
20 no.20:721-723 17 Mj '65.

1. Z Kliniki Położnictwa i Chorob Kobietych AM we Wrocławiu  
(Kierownik: prof. dr. K. Nowosiad).

NOWOSAD, Kazimierz; RIESS, Edward; WAWRZKIEWICZ, Marian

ABO blood group distribution in cases of gynecologic cancer.  
Ginek. Pol. 36 no.8:953-907 Ag '65.

1. ? I Kliniki Położnictwa i Chorob Kobietych Akademii Medycznej  
we Wrocławiu (Kierownik: prof. dr. med. K. Nowosad).

WAWRZKIEWICZ, Marian; BARON, Adam

Cytological picture of the cervical epithelium after endovaginal application of natural radium-active mineral water. Ginek. Pol. 36 no.8:927-929 Ag '65.

1. Z Ośrodka Naukowo-Badawczego I Kliniki Położnictwa i Chorob Kobietych Akademii Medycznej we Wrocławiu w Świeradowie-Zdroju (Kierownik: prof. dr. med. K. Nowosad).

NOWOSAD, Kazimierz; WAWRZKIEWICZ, Marian

Results of the treatment of cervical cancer during the period of  
5 years according to our observations. Pol. tyg. lek. 17 no.2:  
47-50 8 Ja '62.

1. Z I Kliniki Położnictwa i Chorob Kobietych AM we Wrocławiu;  
kierownik: doc. dr Kazimierz Nowosad.  
(CERVIX NEOPLASMS ther)

WAWRZKIEWICZ, Marian; ZALEWSKA, Wanda

Essay with the ambulatory use of librium in selected gynecological diseases. Pol. tygod. lek. 19 no.40:1535-1536 5 0 '64

1. Z I Kliniki Położnictwa i Chorob Kobietych Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. med. K. Nowosad).

WAWRZKIEWICZ, Marian

Characteristics of the Moranda tokograph. Pol. tyg. lek. 19  
no.42:1610-1612 19 0 '64

1. Z I Kliniki Położnictwa i Chorob Kobięcych Akademii Medycznej we Wrocławiu (kierownik: prof. dr. med. K. Nowosad).

WAWRZKIEWICZ, Marian

Electro-mechanical transducer for the study of the contractile  
function of the uterus in labor. Pol. tyg. lek. 19 no.44:  
1683-1686 N 2 '64

1. Z I Kliniki Poloznictwa i Chorob Kobietych Akademii Med-  
ycznej we Wroclawiu (Kierownika prof. dr. med. K. Nowosad).

NAJROKIEWICZ, Marian

Preoperative radiotherapy in surgery of the 1st degree cervical cancer. Ginek. Pol. 36 no.1677-81 Ja 1965

1. Z I Kliniki Ginekologii i Chorob Kobietych Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. med. E. Najrokiwicz).

NOWOSAD, Kazimierz, prof. dr.; WAWRZKIEWICZ, Marian; NOLIS, Tasio; WIECZOREK, Eligiusz.

Contribution to the clinical picture of preinvasive cancer of the uterine cervix. Pol. tyg. lek. 20 no.12:434-436 22 Mr '65

1. Z I Kliniki Położnictwa i Chorob Kobietych Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. K. Nowosad).

WAWRZKIEWICZ, Marian

Quantitative changes of some blood cell components during treatment with "Trenimon". Pol. tyg. lek. 20 no.3:100-102 18 Ja '65

1. Z I Kliniki Położnictwa i Chorob Kobietych Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. med. K. Nowosad).

KRUDYSZ, Jan; BARON, Adam; OJRZYŃSKI, Zdzisław; WAWRZKIEWICZ, Marian

Serological examinations of the aqueous fluid in pregnant rabbits.  
Ginek. Pol. 36 no.8:921-922 Ag '65.

1. Z I Kliniki Położnictwa i Chorób Kobietych Akademii Medycznej  
we Wrocławiu (Kierownik: prof. dr. med. K. Nowosad) i z Kliniki  
Ocznej Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. med.  
W. J. Kapuscinski).

WAWRZKIEWICZ, R.

A bad start for the winter. p. 15; TURYSTA. (Polskie Towarzystwo Turystyczno-Krajoznawcze) Warszawa; No. 5, May 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress, Vol. 4, No. 12, December 1955.

WAPRZOSEK, Alina

SURNAME (in caps); Given Names

Country: Poland

Academic Degrees: Magister

Affiliation: Section of Health and Social Welfare (Wydział Zdrowia i Opieki Społecznej) of the PWRN - Presumed: Polish National Military Council (Polska Wojewódzka Rada Narodowa), Lublin

Source: Warsaw, Farmacja Polska, Vol XVI, No 10, 25 May 1961, pp 200-204

Data: "Notes from a Trip to a Friendly Country (Hungary). Part I."

WAWRZOSEK, A.; ZELAZOWSKI, K.

Analytical problems in the Lublin rural district. *Farmacja Pol*  
18 no.15/16:356-357 Ag '62.

1. Wydział Zdrowia i Opieki Społecznej, Lublin. Kierownik  
Wydziału: dr.med. K.Zelazowski.

\*

WAWRZYNCZAK, Stefan

Highly productive cows, an important factor in breeding progress. Postepy nauk roln 10 no.6:49-59 N-D'63.

7  
CA WAWRZYCZEK, W.

Reactions of salts of cobalt with antipyrine. Wiktor  
Wawrzyczek (First State High School, Cieszyn, Poland).  
Roczniki Chem. 23, 338-43 (1940) (English summary).  
The use of antipyrine as a reagent in detecting Co is de-  
scribed. Edward A. Ackermann

1951

WAWRZYCZEK, Wiktor

Chemical Abst.  
Vol. 48 No. 9  
May 10, 1954  
Metallurgy and Metallography

② Met  
The behavior of aluminum in heterogeneous systems.  
~~Wiktor Wawrzyczek (Vysoká škola chemická, Olomouc,  
Czech.). Chem. Listy 48, 12-13 (1954).—The effect of~~  
metallic as well as nonmetallic impurities on the behavior of  
Al in heterogeneous systems has been investigated. Corro-  
sion of 99.97% Al contg. no Fe was followed in *N*, 0.5*N*,  
and 0.2*N*  $\text{HCl}$ , and in the presence of  $\text{PdCl}_2$ ,  $\text{PtCl}_2$ ,  $\text{NaNO}_3$ ,  
and  $\text{KF}$ . The measurements were carried out gravimetri-  
cally and potentiometrically. M. Hudický.



WAWRZYŹEK, WICTOR

② 7  
~~Diphenylglyoxime in analytical chemistry. Wictor Wa-  
wrzyzek (Wyższa Szkoła Rolnicza, Olsztyn, Poland).  
Roczniki Chem. 26, 668-77(1952). Diphenylglyoxime dis-  
solved in either acetone or EtOH can be used as reagent for  
Ni<sup>++</sup> very much like dimethylglyoxime. If considerable  
Fe<sup>++</sup> is present together with Ni<sup>++</sup>, add considerable Na  
citrate together with hydrazine sulfate and NH<sub>4</sub>OH. In  
the presence of Co, neutralize with NH<sub>4</sub>OH and add H<sub>2</sub>O<sub>2</sub>  
before introducing the glyoxime. Werner Jacobson~~ 14

WAWRZYCZEK, W.

"Gay-Lussac's Laws Concerning Volume of Gases and Chemical Contractions." p. 46

"Special Fire Extinguishers for the Chemical Industry." p. 50

(Chemik Vol. 7, no. 2 Feb. 1954 Katowice.)

Vol. 3, no. 6

SO: Monthly List of East European Accessions./Library of Congress, June 1954, Uncl.

WAWRZYCZEK, W., BOZEK, E., MASZOWSKI, P.

"Chemia ogólna" (General Chemistry), By Wawrzycek, W., Bozek, E.,  
Maszowski, P. Reported in New Books(Nowe Książki), No. 15, August 1, 1955

WAWRZYCZEK, W.

Life and Activities of Henri Moissan; on the 50th anniversary of his death.

P. 227 (WIADOMOSCI CHEMICZNE) (Wroclaw, Poland) Vol. 11, No. 4/5, Apr./May 1957

SO: Monthly Index of East European Accessions (EEAI) IC. Vol. 7, No. 5, 1958

~~Wawrzyniec~~ Wawrzyniec, Wiktor

The life and scientific activity of Henry Molissan: Wiktor  
Wawrzyniec (Szkola Techniczna, Olsztyn, Poland). Waw-  
rzyniec L.P. 41, 227-32 (1957) - Obituary with portrait and  
summary of scientific works. A. Kragalewski

2

WAWRZYCZEK, W.

✓ The mechanism of hydrogen peroxide formation in an  
ultrasonic field. Wiktor Wawrzyczek (Wyższa Szkoła  
Rolnicza, Olsztyn, Poland). Wladomost Chem. 13, 883-90  
(1989). A review with 36 references. A. Kreglinski,

smw

4E3d  
2-smwbfj

4  
4Ew  
4E2d  
1-111.5D

WAWRZYCZEK, Wiktor

Application of electrographic method in analytical chemistry. Chem  
anal 4 no.5/6:891-902 '59. (EEAI 9:9)

1. Katedra Chemii Ogólnej Wyższej Szkoły Rolniczej, Olsztyn  
(Electrography) (Chemistry, Analytic)

DRABENT, Zygmunt; WAWRZYCZEK, Wiktor

Determination of small amounts of cadmium in the presence of zinc by indirect volumetric methods. Chem anal 5 no.2:201-205 '60. (EEAI 10:3)

1. Katedra Chemii Ogólnej Wyższej Szkoły Rolniczej, Olsztyn  
(Cadium) (Zinc)

~~WAWRZYNIAK, V.~~ [Wawrzyczek, W.]

Formation of platinum black in an ultrasonic field. Zhur. fiz.  
khim. 35 no. 4:723-726 Ap '61. (MIRA 14:5)

1. Sel'skokhozyaystvennyy institut, Ol'shtyn, Pol'sha.  
(Platinum) (Ultrasonic waves)

WAWRZYCZEK, Wiktor; PRZYBYLSKI, Antoni

Oxidation of rubidium iodide initiated by ultrasonic waves.  
Rocz chemii 36 no.7/8:1217-1222 '62.

1. Katedra Chemii Ogolnej, Wyzsza Szkola Rolnicz, Olsztyn.

36725  
E/194/62/000/002/055/096  
D273/D301

5.4500  
24.1800  
AUTHOR:

Wawryczek, Wiktor

TITLE: Oxidation reactions in an ultrasonic field

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,  
no. 2, 1962, abstract 2-5-24y, (Reakcje utleniania w  
polu ultradźwiękowym 'Kosmos' (Poland), 1961, B7,  
no. 1, 9-19)

TEXT: The importance of phonochemistry is pointed out as a new  
branch of chemistry. Problems are enumerated which are concerned  
with phonochemistry. It is confirmed that almost all chemical  
processes are dependent on cavitation. Depending on the type of  
aqueous solution, the intensity of the ultrasound, the reaction  
time B (V) of the ultrasound and the type of dissolved gas can pro-  
duce unstable ions  $H_2O^+$  or strongly excited  $H_2O$  particles and free  
OH radicals with oxidizing properties, capable of restoring H ra-  
dicals. For oxidation in an ultrasonic field it is necessary for  
Card 1/6

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D273/D301

Oxidation reactions in ...

H<sub>2</sub>O to be present, but not for O. Oxidation in the presence of dissolved O depends as much on the spontaneous activation of O as on the action of molecular O of the secondary reactions with H and OH radicals. The excitation process of H<sub>2</sub>O particles and their dissociation velocity are controlled by the presence of gases in the vibrating cavitation bubbles. Reaction velocity of gases depends probably on the oscillation of the OH radicals. Discharged gases with a small ionizing potential increase the sound luminescence and cause oxidation. Chemical reactions always develop on the appearance of luminescence and cavitation ionization. The discharge of J is described from an aqueous solution of KJ which took place by oxidation in H<sub>2</sub>O<sub>2</sub>. Addition of CCl<sub>4</sub> increases the output of J on account of the oxidation of KJ by free Cl produced by the dissolution of CCl<sub>4</sub>. Due to its polarity CCl<sub>4</sub> aids ultrasonic cavitation with the formation of H and OH. The opinion is expressed that the discharge of J from KJ and also the dissolution of CCl<sub>4</sub> under the action of ultrasound cause a resonant oscillation of air

Card 2/6

S/194/62/000/002/055/096  
D273/D301

Oxidation reactions in ...

bubbles in a standing wave. The chemical action of ultrasound proceeds only when the height of the exposed liquid is greater than the wavelength. When the duration of ultrasonic action increases, the output of J increases linearly. For a constant intensity of ultrasound the amount of J formed depends on the frequency. The largest amount of J is formed at a frequency of 300 kc/s. The addition of alcohol, even in small quantities, when ultrasound acts on KJ in the presence of  $\text{CCl}_4$ , makes oxidation more difficult. Distilled  $\text{H}_2\text{O}$  which has been sounded possesses great oxidizing ability in relation to KJ. In this case the amount of J formed increases with the amount of sounded  $\text{H}_2\text{O}$  but does not depend on the concentration of the KJ solution. Oxidation in the given case develops as a consequence of the formation of  $\text{H}_2\text{O}_2$ . The results are compared (output of  $\text{H}_2\text{O}_2$  and J) of joint ultrasonic and ultraviolet exposure of a 5% solution of KJ in the presence of Ar and O with the results of ultrasonic action. The ultrasonic oxidation mechanism.

Card 3/6

S/194/62/000/002/055/096  
D273/D301

Oxidation reactions in ...

ism of KJ is explained. A description is given of the ultrasonic oxidation of an aqueous solution of KBr in the presence of Ar and O with formation of Br and  $H_2O_2$ . Graphs are analyzed of the outputs of  $H_2O_2$  and Br as a function of the concentration of the solution. The ultrasonic oxidation of an aqueous solution of KBr also in the presence of N is studied. The amount of formed Br,  $H_2O_2$  and  $HNO_2$  and  $HNO_3$  acids does not depend in the given case on the concentration of the solution. By means of a reaction, the mechanism of oxidation of KBr is illustrated. The oxidation of an aqueous solution of KCl in an ultrasonic field is examined in the presence of Ar and O with formation of Cl and  $H_2O_2$ . The graphs are analyzed of the outputs of  $H_2O_2$  and Cl as a function of solution concentration. The nature of the ultrasonic oxidation of KCl is clarified by an example of a reaction. The output of Cl is small; in the presence of Ar it is bigger than in the presence of O. The

Card 4/6

Oxidation reactions in ...

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formation of  $H_2O_2$  and the output of Cl decrease for a KCl concentration greater than 1M. The ultrasonic oxidation reaction of  $SO_2$  is worked out in the presence of N and O. In the presence of N in equal amounts with  $H_2O_2$ , intermediate  $HNO_2$  and  $HNO_3$  and also  $H_2SO_4$  are formed. The outputs of  $H_2O_2$  and  $HNO_3$  are given in graphs as functions of the external pressure of the air saturated water of the test. At very high and low pressures the action of ultrasound is not observed. The addition of alcohol (methyl, ethyl or popyl) decreases the outputs of  $HNO_2$  and  $HNO_3$ . It is noticed that for the oxidation of N, there is a critical intensity of ultrasound. At intensities greater than the critical, the amount of  $HNO_2$  and  $HNO_3$  increases linearly with the duration of action of ultrasound. Small remarks are made on the oxidation of ascorbic acid solutions in water containing air or O. Results of the ultrasonic oxidation of  $Na_2S_2O_3$  (formation of S), glucose (decrease of pH), phenol and ben-

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Oxidation reactions in ...

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zene are recalled. The characteristic absorption bands of benzene and phenol disappear on the action of ultrasound when the absorption is generally equal. It is shown that ultrasonic action of protoporphyrin leads to dissolution of the porphyrin complex as a consequence of the oxidizing action of free radicals. The author's works on the oxidation of aqueous solutions of aniline in the presence of O are recalled. 8 figures. [Abstracter's note: Complete translation.] ✓

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WAWRZYCZEK, Wiktor; WISNIEWSKI, Wieslaw

Argentometric determination of tellurites in the presence of  
bromphenol blue as adsorption indicator. Chem anal 8 no.3:  
395-397 '63.

1. Katedra Chemii Ogólnej, Wyższa Szkoła Rolnicza, Olsztyn.

WAWRZYCZEK, Wiktor; RYCHCIK, Wiesław

Volumetric determination of sodium hydrosulfite with potassium ferricyanide as titrant and dimethylferroglyoxime as indicator. Chem anal 8 no.4:539-541 '63.

1. Katedra Chemii Ogólnej, Wyższa Szkoła Rolnicza, Olsztyn.

WAWRZYCZEK, Wiktor; WISNIEWSKI, Wieslaw

Quantitative determination of tellurites with  $\text{Pb}(\text{NO}_3)_2$  as titrant and fluorescein or respectively sym-diphenylcarbazone as indicator. Chem anal 8 no.4:543-545 '63.

1. Katedra Chemii Ogólnej, Wyższa Szkoła Rolnicza, Olsztyn.

WAWRZYCZEK, Wiktor; WISNIEWSKI, Wieslaw

Oxidation of Fe 2 ions in a supersonic field in the atmosphere of rare gases. Przem chem 42 no.6:291-293 Je '63.

1. Katedra Chemii Ogolnej, Wyzsza Szkola Rolnicza, Olsztyn.

BUKOWSKA, Alina; WAWRZYCZEK, Wiktor

Sodium molybdate as a reagent in volumetric analysis. Pt.1.  
Chem anal 9 no.2:249-253 '64.

1. Department of General Chemistry, School of Agriculture, Olsztyn.

WAWRZYCZEK, W., doc dr.

Report from the activities of the Olsztyn Branch of the Polish Chemical Society in 1963. Wiad chem 18 no.5:318 My '64

1. Chairman of the Olsztyn Branch of the Polish Chemical Society.

POLAND

WAWRZYCZEK, Wiktor, doc. dr; WISNIEWSKA, Krystyna, mgr.

Department of General Chemistry, School of Agriculture (Katedra Chemii  
Ogólnej Wyższej Szkoły Rolniczej), Olsztyn - (for both).

Warsaw, Chemia analityczna, No 6, November-December 1965, pp 1287-  
1289.

"Volumetric determination of  $\text{Sn}^{2+}$  using sodium orthovanadate in the  
presence of a mixed indicator 3,3'-diphenylbenzidine and methylene blue."

WAWRZYNCZAK, Stefan

Growth of calves from their birth to six months of age reared  
on various quantities of whole milk. Roczn. nauk roln. zootechn.  
84 no. 1: 11-27 '64.

MAJZNER, Jozef, doc. mgr inż.; WAWRZYNIAK, Andrzej, mgr inż.

New reactive hydrophobic compounds. Przegl włokien 17 no. 2:  
103 F '63.

1. Katedra Wykonczalnictwa, Politechnika, Lodz.

32036  
P/008/62/000/001/003/005  
D269/D303

26.1150

AUTHOR: Wawrzyniak, Czesław

TITLE: A combined rocket-ram jet engine

PERIODICAL: Technika lotnicza, no. 1, 1962, 21

TEXT: Polish patent no. 38,999, Class 42 g, 2/06, March 20, 1956. The engine (Figs. 1, 2 and 3) has the following common elements: A combustion chamber 1, exhaust nozzle 5, and injectors 2, 3 and 4, which are in operation when the engine works both as a rocket and as a ram jet. The injectors are fixed in the plate 8 in housing 15 which is attached to the casing by means of tubes 13, through which the fuel is supplied. When the engine works as a rocket, the slider 6 is in the forward position, blocking the intake of the engine and closing the combustion chamber from the front. At a required speed the pressure acting on the front of the slider forces it back against the damper 10 which is regulated to a suitable pressure. When the slider occupies the position shown by the dotted line in Fig. 1, the intake and the annular channel 14 of the diffu-

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A combined rocket-ram ...

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ser 7 are open and the engine operates as a ram jet. When the engine works as a rocket, the injector 2, situated at the axis of the engine, shown in position II in Fig. 3, meters the flow of the oxidizing agent while the fuel is supplied through the annulus 4 and injectors 3. As the slider 6 is forced back it moves the sliding elements of injector 2 into position I in Fig. 3, cutting off the inflow of the oxidizing agent and metering the additional fuel required for increasing the power of the engine.

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